Amendment to the Claims

Following is a complete listing of the claims pending in the application, as amended:

1.   (Original) An image sensor comprising:

a plurality of pixels formed in a semiconductor substrate, each pixel including a light

sensitive element;

a micro-lens over each of said light sensitive elements; and

a trench structure surrounding each of said micro-lenses.

2.   (Original) The image sensor of Claim 1 wherein said trench structure is

circular.

3.   (Original) The image sensor of Claim 1 wherein said trench structure has

a rectangular cross-section.

4.   (Original) The image sensor of Claim 1 wherein the micro-lenses are

formed from polymethylmethacrylate (PMMA) or polyglycidylmethacrylate (PGMA).

5.   (Original) The image sensor of Claim 1 wherein said trench structure has

a depth on the order of 0.2 microns.

6.   (Original) The image sensor of Claim 1 wherein said trench structure is

formed in a layer that underlies said micro-lenses.

7.   (Original) The image sensor of Claim 1 further including a color filter

layer between said micro-lenses and said light sensitive elements.

8.   (Original) A pixel of an image sensor comprising:

a light sensitive element formed in a semiconductor substrate;

a micro-lens over said light sensitive element; and

a trench structure surrounding said micro-lens.

9.   (Original) The pixel of Claim 8 wherein said trench structure is circular.

10.   (Original) The pixel of Claim 8 wherein said trench structure has a rectangular cross-section.

11.   (Original) The pixel of Claim 8 wherein the micro-lens is formed from polymethylmethacrylate (PMMA) or polyglycidylmethacrylate (PGMA).

12.   (Original) The pixel of Claim 8 wherein said trench structure has a depth on the order of 0.2 microns.

13.   (Original) The pixel of Claim 8 wherein said trench structure is formed in the material that underlies said micro-lenses.

14.   (Original) The pixel of Claim 8 further including a color filter layer between said micro-lenses and said light sensitive elements.

15. – 19. (Cancelled)